

Title (en)
SECONDARY BATTERY

Title (de)
SEKUNDÄRBATTERIE

Title (fr)
BATTERIE SECONDAIRE

Publication
EP 4113713 A1 20230104 (EN)

Application
EP 22181983 A 20220629

Priority
KR 20210085721 A 20210630

Abstract (en)
A secondary battery (100) includes: an electrode assembly (110) including a first electrode plate, a second electrode plate, and a separator; a case (120) including a first side having an opening to accommodate the electrode assembly (110); a cap plate (130) sealing the first side of the case; a first current collector plate (150) arranged between the electrode assembly (110) and the cap plate (130); a conductive paste (P) electrically connecting the case (120) and the first current collector plate (150) while physically fixing the case (120) and the first current collector plate (150); a terminal (160) arranged on a second side of the case (120); and a second current collector plate (180) electrically connecting the second electrode plate and the terminal (160).

IPC 8 full level
H01M 50/171 (2021.01); **H01M 50/167** (2021.01); **H01M 50/186** (2021.01); **H01M 50/533** (2021.01); **H01M 50/548** (2021.01); **H01M 50/567** (2021.01); **H01M 50/627** (2021.01)

CPC (source: CN EP KR US)
H01M 10/0525 (2013.01 - CN); **H01M 10/058** (2013.01 - CN); **H01M 50/107** (2021.01 - CN); **H01M 50/152** (2021.01 - KR); **H01M 50/167** (2021.01 - EP); **H01M 50/171** (2021.01 - EP); **H01M 50/186** (2021.01 - EP); **H01M 50/188** (2021.01 - US); **H01M 50/40** (2021.01 - KR); **H01M 50/528** (2021.01 - CN KR); **H01M 50/531** (2021.01 - CN); **H01M 50/533** (2021.01 - EP); **H01M 50/534** (2021.01 - US); **H01M 50/538** (2021.01 - KR); **H01M 50/543** (2021.01 - KR US); **H01M 50/545** (2021.01 - CN); **H01M 50/548** (2021.01 - EP); **H01M 50/567** (2021.01 - EP); **H01M 50/609** (2021.01 - KR); **H01M 50/627** (2021.01 - CN EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
• [A] WO 2020056879 A1 20200326 - SHENZHEN JERAMIC MATERIALS TECH COMPANY LTD [CN]
• [A] KR 100624909 B1 20060918

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4113713 A1 20230104; CN 115621558 A 20230117; KR 102661316 B1 20240430; KR 20230003993 A 20230106; KR 20240060766 A 20240508; US 2023006313 A1 20230105

DOCDB simple family (application)
EP 22181983 A 20220629; CN 202210759652 A 20220629; KR 20210085721 A 20210630; KR 20240053957 A 20240423; US 202217846740 A 20220622